

## What is Claimed:

- 1                   1.     A system for mounting a computer component, said system  
2     comprising:  
  
3                         at least one rail, said rail having first and second mounting  
4     portions, said first mounting portion defining a recess and said second mounting  
5     portion having at least one detent; and  
  
6                         first and second supports, said first support having an extension  
7     extending into said recess of said first mounting portion of said rail and allowing  
8     sliding of said first mounting portion of said rail relative to said first support, said  
9     second support defining at least one aperture receiving said detent of said second  
10    mounting portion of said rail and limiting sliding of said second mounting portion of  
11    said rail relative to said second support.
- 1                   2.     The system of claim 1, wherein the second mounting portion  
2     has a plurality of detents.
- 1                   3.     The system of claim 1, wherein the recess extends adjacent a  
2     surface of the rail and the detent extends from said surface.
- 1                   4.     The system of claim 1, wherein the plurality of detents extend  
2     from said surface.
- 1                   5.     The system of claim 1, wherein the recess is substantially  
2     parallel to the rail and the rail is substantially orthogonal to the first support, so that  
3     the rail slides substantially orthogonally to the first support.

1                   6.     The system of claim 1, having a plurality of detents on the  
2     second mounting potion of the rail and a corresponding plurality of apertures defined  
3     in said second support.

1                   7.     The system of claim 1, wherein the aperture comprises a first  
2     portion and a second portion, the first portion being sized to receive the detent along  
3     an axis of the detent and the second portion being sized preventing removal of the  
4     detent along the axis of the detent.

1                   8.     A support assembly for a computer component comprising:  
2                         a rail;  
3                         a support adjacent the rail;  
4                         a detent extending from said rail or said support and engaged  
5     with an aperture defined in the other of said rail or said support;  
6                         an extension coupled to the support, the extension having a  
7     portion moveable with respect to the support between a first position preventing  
8     sliding of the rail with respect to the support and a second position permitting sliding  
9     of the rail with respect to the support.

1                   9.     The support assembly of claim 8, wherein the rail has at least  
2     one recess extending along a surface of the rail.

1                   10.    The support assembly of claim 8, wherein the rail has at least  
2     one detent formed on the surface of the rail.

1                   11.     The support assembly of claim 8, wherein the support has at  
2     least one aperture in a portion of the rail receiving the detent.

1                   12.     The support assembly of claim 8, wherein the support has at  
2     least one extension extending into the recess of said rail.

1                   13.     The system of claim 8, wherein a width of the extension is  
2     greater than a width of the recess.

1                   14.     The system of claim 8, wherein the recess is oriented along a  
2     plane and the extension is positioned in the plane of the recess when the extension is  
3     in the first position.

1                   15.     The system of claim 14, wherein the extension is away from the  
2     plane of the recess when the extension is in the second position.

1                   16.     The system of claim 15, further comprising a plurality of  
2     detents extending from said rail or said support engaged with respective ones of  
3     apertures defined in the other of said rail or said support.

1                   17.     A method of mounting a rail in a frame of a computer system,  
2     the method comprising:

3                             positioning the rail adjacent first and second supports;

4                             engaging a recess in a first mounting portion of the rail with an  
5     extension on the first support, thereby permitting sliding movement of the rail with  
6     respect to the first support;

7                               engaging a detent on a second mounting portion of the rail with  
8   an aperture formed in the second support, thereby limiting the sliding movement of  
9   the rail with respect to the second support.

1                           18.    The method of claim 17, further comprising the step of sliding  
2   the rail between first and second positions with respect to the first and second  
3   supports.

1                           19.    The method of claim 17, wherein the step of engaging the  
2   detent comprises the steps of inserting the detent into a first portion of the aperture  
3   and sliding the detent from the first portion into a second portion of the aperture.

1                           20.    The method of claim 17, further comprising the step of moving  
2   an extension coupled to the first or second support to a position substantially  
3   preventing sliding movement of the rail.